
Contribution ID: **49** Type: **not specified**

# A Data Lake Prototype for HL-LHC

*Wednesday 10 October 2018 10:00 (25 minutes)*

Evolving the current data storage, management and access models is the main challenge in WLCG and certainly in scientific computing for the coming years. HL-LHC will be exceeding what funding agencies can provide by an order of magnitude. Forthcoming experiments in particle physics, cosmology and astrophysics also foresee similar magnitudes in data volumes. The concepts of storage federations, data redundancy, transfer protocols and data access need to be revisited with the clear goal to reduce costs while providing the performance required by the experiments in the next decade.
In this contribution we are presenting the experience with a primary Data Lake prototype for WLCG implementing some of the main ideas behind a future concept of storage federations.

## Desired length

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**Session Classification:** Grid, Cloud & Virtualisation

**Track Classification:** Grid, Cloud & Virtualisation